



High-Yield Guar

Powdered gelling agent

APPLICATIONS

Hydraulic fracturing treatments using water-based fluids

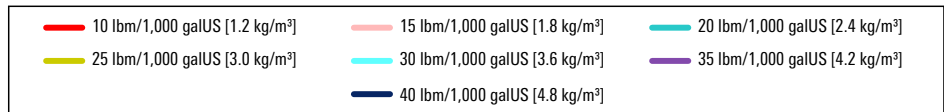
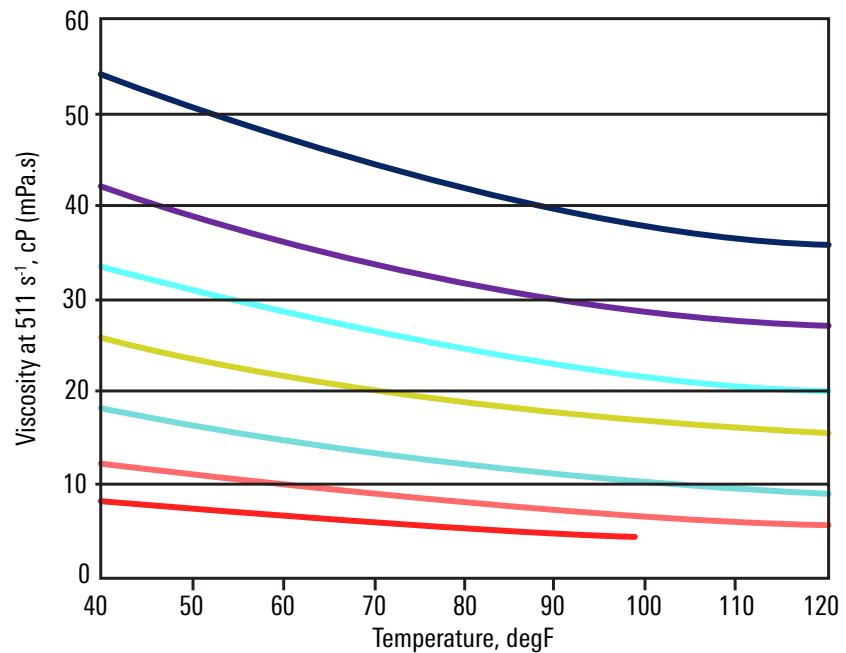
BENEFITS

- Yields higher viscosity as compared with conventional guar at the same concentration
- Improves economics and proppant pack conductivity
- Enables rapid hydration for real-time, continuous mixing and pumping operations
- Reduces logistics and environmental footprint as compared with transport of preslurried guar systems

FEATURES

- Compatibility with a wide variety of fracturing fluid systems
- Ability to be crosslinked to create high-viscosity gels for hybrid fracturing operations

High-yield guar delivers the viscosity required for excellent proppant transport with rapid hydration and lower polymer loadings as compared with conventional guar. The result is improved stimulation economics and higher proppant pack conductivity after stimulation.



Linear viscosities for high-yield guar.

High-Yield Guar Physical Properties

Appearance	Light yellow powder
Bulk density, g/cm ³ [lbm/ft ³]	0.7 [0.62]
Specific gravity	1.40–1.45
pH at 10 g/L [0.08 lbm/galUS]	5.5–7.5
Decomposition temperature, degC [degF]	>115 [>240]